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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 1 of 2

Complete if Known 09/482232

Application Number TBA/Divisional of 00/160,340  
Filing Date October 19, 2001  
First Named Inventor Briggs et al.  
Prior Group Art Unit 4641 1045  
Prior Examiner Name Graser, J.  
Attorney Docket Number 00295.00008

10000 U.S. PTO  
09/982232  
10/19/01

## **U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
R2	J	5,422,110		Potter et al.	June 6, 1995	
		5,733,780		Briggs et al.	March 31, 1998	

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
R2	J	WO	97 16531		Common- wealth Scientific and Industrial Research Organisation	05-09-1997		
		WIPO	97/41823	A		11-13-1997		

## **OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
R2	J	George L. Murphy et al., "Hemolytic Activity of the <i>Pasteurella haemolytica</i> Leukotoxin" <u>Infection and Immunity</u> , Vol. 63, August 1995, pp. 3209-3212	
		Natalie D. Federova & Sarah K. Highlander "Generation of Targeted Nonpolar Gene Insertions and Operon Fusions in <i>Pasteurella haemolytica</i> and Creation of a Strain that Produces and Secretes Inactive Leukotoxin" <u>Infection and Immunity</u> , July 1997, pp. 2593-2598	
		Fred M. Tatum et al. "Construction of an isogenic leukotoxin deletion mutation of <i>Pasteurella haemolytica</i> serotype 1: characterization and virulence" <u>Microbial Pathogenesis</u> 1998; 24:37-46	
		Robert E. Briggs et al., "Development and testing of a unique strain of <i>Pasteurella haemolytica</i> to use in studies on colonization of the respiratory tract of cattle" <u>AJVR</u> , Vol. 59, No. 4, April 1998	
		Robert E. Briggs et al., "Rapid spread of a unique strain of <i>Pasteurella haemolytica</i> serotype 1 among transported calves" <u>AJVR</u> , Vol. 59, No. 4, April 1998	
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Examiner  
Signature

*Robert E. Briggs*

Date  
Considered

8/19/02  
3/4/02

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of

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Complete if Known **9/9821231**

Application Number	TBA/Divisional of 09/160,340
Filing Date	October 19, 2001
First Named Inventor	Briggs et al.
Group Art Unit	1641 1045
Examiner Name	Graser, J.
Attorney Docket Number	000295.00008

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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ec ↓		Glynn H. Frank, "Infection of the middle nasal meatus of calves with <i>Pasteurella haemolytica</i> serotype 1" <u>Am J Vet Res.</u> Vol. 50, No. 8, August 1989	
		David C. Straus et al., "In Vivo Production of Neuraminidase by <i>Pasteurella haemolytica</i> in Market Stressed Cattle After Natural Infection", <u>Current Microbiology</u> , Vol. 37 (1998), pp. 1 240-244	
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		Link et al., "Methods for Generating Precise Deletions and Insertions in the Genome of Wild-Type <i>Escherichia coli</i> : Application to Open Reading Frame Characterization" <u>Journal of Bacteriology</u> , October 1997, Vol. 179, No. 20, pp. 628-6237	
		Cotter and Miller "BvgAS-Mediated Signal Transduction: Analysis of Phase-Locked Regulatory Mutants of <i>Bordetella bronchiseptica</i> in a Rabbit Model", <u>Infection and Immunity</u> , August 1994, Vol. 62, No. 8, pp. 3381-3390	
		Hamilton et al., "New Method for Generating Deletions and Gene Replacements in <i>Escherichia coli</i> ", <u>Journal of Bacteriology</u> , September 1989, Vol. 171, No. 9, pp. 4617-4622	
		Cruz W.T., et al., "Deletion analysis resolves cell-binding and lytic domains of the <i>Pasteurella</i> leukotoxin" <u>Molecular Microbiology</u> , Vol. 4, No. 11, November 1990, pp. 1933-1939	
		Petrus S.F. et al., "Antigenic and virulence properties of <i>Pasteurella haemolytica</i> leukotoxin mutants", <u>Infection and Immunity</u> , Vol. 63, No. 5, March 1995, pp. 1033-1039	

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